

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Withdrawn) A method for making a carbon fabric comprising the steps of:

(a) preparing a raw fabric obtained from raw fibers by weaving; and

(b) carbonizing said raw fabric into a carbon fabric;

wherein the raw fibers for the raw fabric are oxidized fibers of polypropylene having a carbon content of 50 wt% at least, an oxygen content of 4 wt% at least, and a limiting oxygen index (LOI) of 35% at least.

2. (Withdrawn) The method as claimed in claim 1, wherein the carbon content of said raw fibers is over 55wt%.

3. (Withdrawn) The method as claimed in claim 1, wherein the oxygen content of said raw fabrics is over 8wt%.

4. (Withdrawn) The method as claimed in claim 1, wherein the oxygen limiting index of said raw fibers is over 50%.

5. (Withdrawn) The method as claimed in claim 1, wherein said step (b) carbonizing said raw fabric into a carbon fabric is performed at 700-2500°C.

6. (Withdrawn) The method as claimed in claim 5, wherein said step (b) is performed at 900-2500°C.

7. (Withdrawn) The method as claimed in claim 1, wherein said step (b) carbonizing said raw fabric into a carbon fabric is performed in at least one high temperature oven under the presence of an inert gas.

8. (Withdrawn) The method as claimed in claim 7, wherein said step (b) is performed in a plurality of said high temperature ovens connected in series.

9. (Withdrawn) The method as claimed in claim 7, wherein said inert gas is helium.

10. (Withdrawn) The method as claimed in claim 1, wherein said step (b) carbonizing said raw fabric into a carbon fabric is performed at a predetermined constant temperature.

11. (Withdrawn) The method as claimed in claim 1, wherein said step (b) carbonizing said raw fabric into a carbon fabric is performed continuously at different temperatures.

12. (Withdrawn) The method as claimed in claim 1, wherein said step (b) carbonizing said raw fabric into a carbon fabric is performed interruptedly at different temperatures.

13. (Withdrawn) The method as claimed in claim 1, wherein said step (b) carbonizing said raw fabric into a carbon fabric is performed for 2-240 minutes.

14. (Withdrawn) The method as claimed in claim 13, wherein said step (b) is performed for 10-100 minutes.

15. (Canceled).

16. (Currently Amended) A carbon fabric formed ~~of~~ from woven oxidized fibers of polypropylene, and oxidized to carbon, having a density over 1.68 g/ml and a magnetic wave shielding efficiency over 30dB subject to a magnetic wave having a frequency ranging from 300 MHz to 2.45 GHz;

wherein said carbon fabric having a warp density ranging from 20 to 50 per inch and a weft density ranging from 20 to 50 bundles per inch.

17. (Currently Amended) The carbon fabric as claimed in claim 16, wherein said woven oxidized fibers of polypropylene have a carbon content of 50wt% at least, an oxygen content of 4wt% at least, and a limiting oxygen index

of 35% at least; wherein said woven oxidized fibers of polypropylene having a fabric density ranging from 15x15 to 40x40 per inch.

18. (Original) The carbon fabric as claimed in claim 16, having a carbon content over 70 wt%.

19. (Currently Amended) A carbon fabric made ~~according to the method of claim 1~~ by preparing a raw fabric obtained from polypropylene fibers by weaving said polypropylene fibers; and carbonizing said polypropylene fabric into a carbon fabric, the raw fibers of said raw fabric comprising oxidized fibers of polypropylene,

said carbon fabric having a density over 1.68 g/ml and a magnetic wave shielding efficiency over 30 dB subject to a magnetic wave having a frequency ranging from 300 MHz to 2.45 GHz;

said oxidized fibers of polypropylene having a carbon content of 50 wt% at least, an oxygen content of 4 wt% at least, and a limiting oxygen index (LOI) of 35% at least.

20. (Cancelled).

21. (New) The carbon fabric as claimed in claim 16, wherein said carbon fabric having a warp density ranging

from 30.2 to 32.4 bundles per inch and a weft density ranging from 27.6 to 30.4 bundles per inch.

22. (New) The carbon fabric as claimed in claim 17, wherein said woven oxidized fibers of polypropylene having a fabric density of 27x24 per inch.